

FIG. I

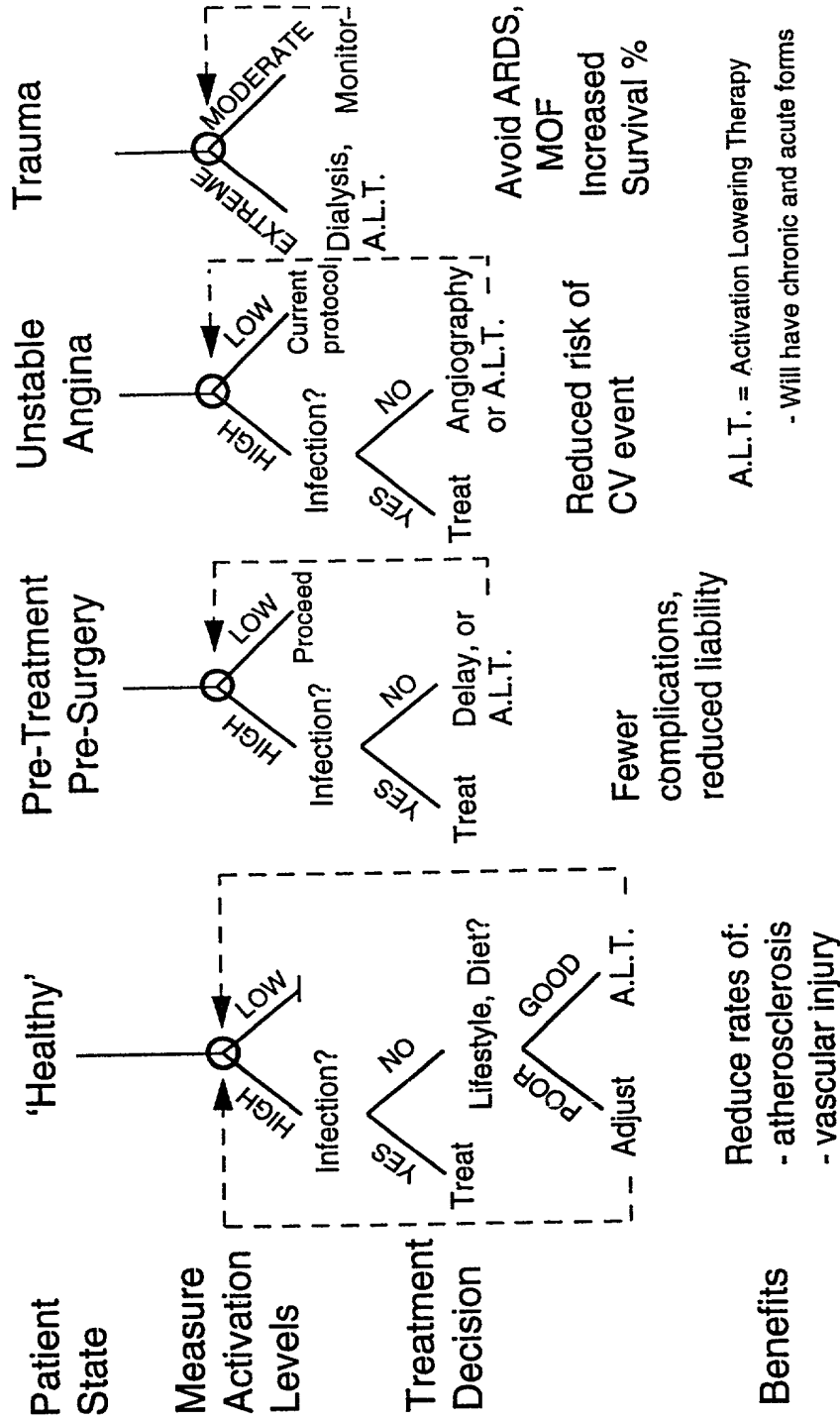


FIG. 2

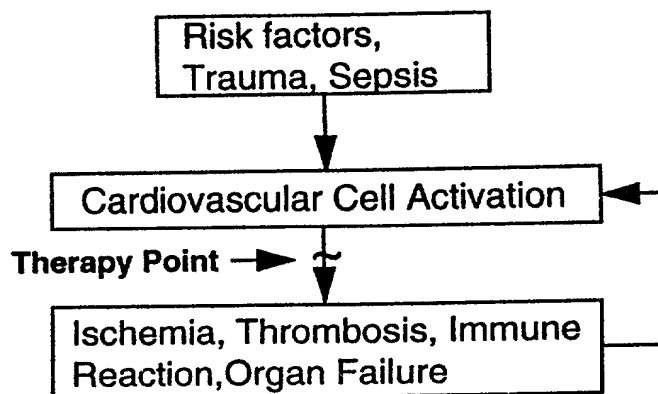


FIG. 3A

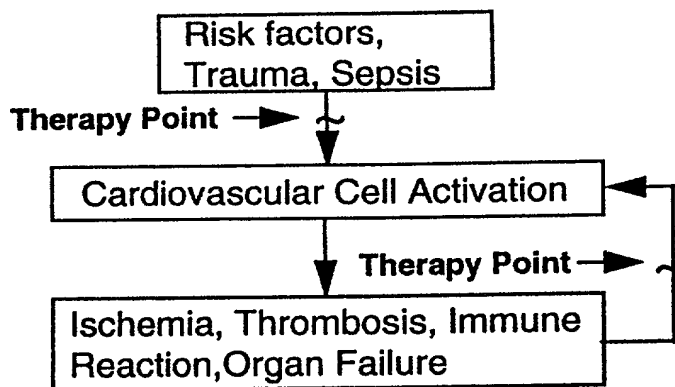


FIG. 3B

Letter Key for peptide origin:

b = bovine
h = hamster
m = man
o = other
r = rat

SR	p chymotrypsinogen A(14-15)
AR	p chymotrypsinogen B(14-15)
TNA	b neochymo A autoactivation(147-9)
NAL	b neochymo B autoactivation(147-9)
AL	b neochymo B autoactivation(148-9)
TPTDDDDDK	o anionic trypsinogen activation peptide
FPLDDDDDK	o cationic trypsinogen activation peptide
FPVDDDDDK	b cationic trypsinogen activation peptide
APFDDDDDKI	h trypsinogen residue (human)
APFDDDDDK	h trypsinogen 2 peptide
DDDDK	h trypsinogen 3 peptide
CGVPAIQPVLSGLSR	b chymotrypsinogen A sigtransduction
CGVPAIPPVLSGLSR	p chymotrypsinogen A sigtransduction
CGVPAIQPVLSGL	b chymotrypsinogen B sigtransduction
CGVPAIPPVLSGLSR	p chymotrypsinogen B sigtransduction
CGVPSIPPNLS	p chymotrypsinogen C sigtransduction
CGVPAIKPALBFB	p chymotrypsinogen D sigtransduction
MAFLWLVSFCALVGATFG	r chymotrypsinogen B sigtransduction
MLRFLVFASLVLYGHS	r proelastase 1 sigtransduction
MIRALLLSTLVAGALS	p proelastase 2 sigtransduction
CGYPTYEVQHDVSR	r proelastase 2
TQDFPETNAR	r proelastase 1
DFPETNAR	r proelastase 1
CGLPANLPQLPR	p proelastase 2
CGDPTYPPYVTR	m proelastase 2A
CGVSTYAPDMSR	m proelastase 2B
FPVDDDDDK	p trypsinogen
VDDDDK	b trypsinogen
DSGISPR	m phospholipase A2
EEGISSR	p phospholipase A2
EAGLNSR	b phospholipase A2
GISPR	o phospholipase A2 (horse1)
ENGISPR	o phospholipase A2 (horse2)
EHP	m thyrotropin-releasing
EHWSYGLRPG	m gonadotropin-releasing
VHLSAEEKEA	m growth-hormone-releasing
AGCKNFFWKFTSC	m somatostatin
CYIQNCPRG	m vasotocin
CYIQNCPLG	m oxytocin
HSQGTFTSDYSKYLDSSRAQDFVQWLMNT	m glucagon
RPPGFSPFR	m bradykinin
HSDGTFTSELSRLRDSARLQRLQLGLV	m secretin
ISDRDYMGMWDF	m cholecystokinin-pancreozymin (C-term)
SDNNQQGKSAQQGGY	m scotophobin
ECG	m glutathione

FIG. 5A

SYSMEHFRWGKPVGKKRRPVKVYPNGAEDELAFAFPLEF	p adrenocotricotropin
SYSMEHFRWGKPVGKKRRPVKVYPNGAEDSAUAFPLEF	m adrenocotricotropin
SYSMEHFRWGKPVGKKRRPVKVYPNGEAEDSAQAFPLEF	b adrenocotricotropin
SYSMEHFRWGKPV	m MSH
DIGYS	p CRP-I (C-reactive protein)
SWESA	p CRP-II (C-reactive protein)
KPQLWP	p CRP-III not reactive (C-reactive protein)
LFEVPEVT	p CRP-IV not reactive (C-reactive protein)
VGGSEI	p CRP-V not reactive (C-reactive protein)
WDFV	p CRP-VI (C-reactive protein)
NMWDFV	p CRP-VII (C-reactive protein)
LVAGD	m leukotaxin (no sequence order)
RKPVLATNGSQDC	m leukocyte promotion factor
SYSM	m ACTH fragment
BMLF	o fMLP (chemotactic factor)
TN	b chymotrypsinogen A (247-8)
SHLVE	o peptidetide cleaved by chymo C
AKKK	o peptidetide cleaved at brushborder
AAAA	o peptidetide cleaved at brsuhborder
KKKK	o peptidetide cleaved at brushborder
AKKKK	o peptidetide cleaved at brushborder
KKKKK	o peptidetide cleaved at brushborder
LWMRFA	o peptidetide cleaved at brushborder
KKKKKK	o peptidetide cleaved at brushborder
VAAKIVG	o peptidetide cleaved at brushborder
VCGE	o insulin B fragment
LCGS	o insulin B fragment
LVCG	o insulin B fragment
ELR	o neutrophil chemotactic peptide
ELRC	o neutrophil chemotactic peptide
AELR	o part of NAP-2
SSSGEHFEGEKVFHVNVEDENDIQ	p pro-carboxypeptidase B
KEDFVGHQVLRISVDDEAQVQVKEL	p carboxypeptidase A activation
peptide	
MAGRGGSRVLALCAALAAGGWLLAA	r carboxypeptidase E signal peptide
KEDFVGHQVLRITAADAEVQ	p pro-carboxypeptidase A
TTGHSYEK	p cleavage procarboxypeptide B
SVLEAQFDSR	p cleaved F4 procarboxypeptidase B
HHDGEHFEGEKVFR	p cleaved procarboxypeptidase B
YVTR	h proelastase
VVGG	h proelastase 2
YVTR	h proelastase activation sequence
AAPPRGR	o profactor D fragment
APPRGR	o profactor D fragment
STFWAYQPDGDNDPTDYQKYEHTSSPSQLLAPGDYPCVIE	r CCK-releasing factor
GRGDSP	o integrin endothelial (RGD)
GRGESP	o integrin endothelial (RGE)
APGPR	r enterostatin (gut)
vpgpr	r enterostatin (pancreas)
FMRF	o mulluscan cardioexcitatory
LRDRDDIA	r C-terminal glucagon pancreatic peptide
APVD	r glucagonoma precursor

FIG. 5B

EHPG	r Thyrotropin Re Hormone
GGGPPS	h composition of aa gliadin
GGGPPY	h composition of aa gliadin
KRNRNNIA	o proglucagon
HRRQL	o preprogastrin, preproCCK
GLY	o pancreatic peptide cleavage produce
YPALPEAPGEDASPDLSRYASLRHYLDLVTRQRY	o PYY (pancreatic peptide YY)
YSYM	o adrenocorticotropin hormone fragment H
YMEHFRW	o adrenocorticotropin hormone fragment H
DRVYIHP	p Angiotensin II fragment
VYIHPF	o Angiotensin II fragment horse
RVYIHPI	p Angiotensin III fragment
VIHN	p Angiotensinogen fragment
RPPGF	o bradykinin fragments 1-5
RPPGFS	o bradykinin fragments 1-6
RPPGFSP	o bradykinin fragments 1-7
PPGFSP	o bradykinin fragments 2-7
AGSE	o chemotactic factor for eosinophils
VGSE	o chemotactic factor for eosinophils
BMLFF	o fMLP w/ Phe group
BMMM	o fMLP class
VGDE	o fMLP class
YGGFLK	o leucine enkephalin lys
YSGFLT	o ser-leu enkephalin-thr
YGGFMRF	o met enkephalin arg phe
YMGFP	o D-met, pro enkephalinamide
RGDS	o supports fibroblast attachment
GRGDTP	o supports fibroblast attachment
WMDF	o CCK fragment 30-33
LRPG	o leutenizing hormone fragment
HTATFK	o alpha-melanocyte stimulatory hormone
SMEVRGW	o delta-melanocyte stimulatory hormone
YPFVEPIH	o beta-casomorphin
YPF	o beta-casomorphin fragment 1-3
YAFAY	o D-ala,tyr- fragment 1-5 amide
YRFK	o D-arg,lys fragment 1-4 amide
TRSAW	h hypercalcemia of malignancy factor
RPKP	o substance P fragment 1-4
QQFFGLM	o substance P fragment 5-11
FFGLM	o substance P fragment 7-11
RKDVI	o thymopoietin II fragment 32-6
DKWEL	o U5 peptide
HKGKAR	h C3a 72-77 fragment
CVIKF	o hydra peptide fragment 7-11
FTPRL	o leukopyrokinin fragment 4-8
KQAGDV	o RGD related peptide
KEEAE	o lys-thymosin alpha1 fragment
KYK	o responsible for nicks at purine in DNA
FLEEI	r prothrombin precursor 5-9
WHWLQL	o alpha1 mating factor fragment

FIG. 5C